

### ABSTRACT

5 A stent is made flexible along its length. The stent initially starts as a metal sheet. It is rolled in its central region to a specified wall thickness. Thereafter, the stent is photochemically etched to produce the desired cell pattern of the design of the stent. Then, the stent is folded and the metal is joined to give rise to a stent with multiple wall thickness. For instance, larger wall thicknesses at the end of the stent versus smaller wall thicknesses at its center. Various other possible manufacturing methods are useful with respect to this stent.